

APPENDIX A
FIELD EQUIPMENT

CHECK

FOR SITE INVENTORY

USGS 7.5' Topographic Map of Site	_____.
Camera and Film	_____.
Mine Hazard Warning Signs	_____.
AML Field Guide	_____.

FOR COMPASS AND PACE SURVEY

Professional Magnetic Compass	_____.
Clinometer	_____.
Protractor	_____.
Engineer's Scale	_____.
Engineer's Field Notebook and 4-H Pencil	_____.
Hand Calculator w/ trigonometric functions	_____.

FOR SITE RECONNAISSANCE

In addition to preceding items:

pH Meter	_____.
Sample Containers	_____.
Obtain from analytical laboratory the appropriate soil and water containers, and correct sampling and quality assurance/quality control procedures.	

FOR UNDERGROUND RECONNAISSANCE

Health and safety equipment must be approved by the Mine Safety and Health Administration (MSHA). All personnel entering underground workings must receive MSHA approved health and safety training.

Individual Equipment:

Hardhat	_____.
Gloves	_____.

Safety Boots _____.

Mine Light _____.

Spare Light _____.

The underground team should have at least two sources of light. All sources should be explosion-proof unless it has been previously determined that no explosive gases are present.

Eye Protection _____.

Safety glasses are required. The use of contact lenses is discouraged.

Self Rescuer _____.

Use self-rescue units approved by MSHA for use in coal mines. Each person must be trained in use of self-rescue units.

Radon Respirator _____.

Worn at all times in radon daughter concentrations in excess of 1 WL.

Oxygen Supply _____.

Activated when bad air is present.

Additional Equipment for Lead Person:

Scaling Bar _____.

Multi-Gas Detectors _____.

Monitors for acceptable levels of oxygen and hazardous levels of carbon monoxide, explosive gases, and radon.

Communication _____.

Before entering mine, establish communication with someone outside the mine.

Mine Rescue Contingency Plan _____.

Plan should include 1) known hazards; 2) other suspected hazards; 3) mine rescue contacts: names, phone numbers, backup phone numbers, radio contact; and 4) special conditions under which reconnaissance will not be attempted. Refer to Loss Control Management Guideline, NPS 50, Chapter 30, Abandoned Mine Safety.